

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/548,404
Source: PATP
Date Processed by STIC: 9/21/05

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PCT

RAW SEQUENCE LISTING

DATE: 09/21/2005

PATENT APPLICATION: US/10/548,404

TIME: 16:58:40

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\09212005\J548404.raw

3 <110> APPLICANT: Bayer AG, BHC
 5 <120> TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with
 6 PHOSPHODIESTERASE 1B (PDE1B)
 8 <130> FILE REFERENCE: Le A 36 620
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/548,404
 C--> 10 <141> CURRENT FILING DATE: 2005-09-08
 10 <160> NUMBER OF SEQ ID NOS: 5
 12 <170> SOFTWARE: PatentIn version 3.1
 14 <210> SEQ ID NO: 1
 15 <211> LENGTH: 2255
 16 <212> TYPE: DNA
 17 <213> ORGANISM: Homo sapiens
 19 <400> SEQUENCE: 1

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22	gaggagtcgg	attgcccgtc	acccttggag	ctgaagtcag	cccccagcaa	gaagatgtgg	120
24	attaagcttc	ggtctctgt	gcgtacatag	gtgaagcagt	tggagaatgg	ggagataaac	180
26	attgaggagc	tgaagaaaaa	tctggagtac	acagcttctc	tgctggaaagc	cgtctacata	240
28	gatgagacac	ggcaaatctt	ggacacggag	gacgagctgc	aggagctgcg	gtcagatgcc	300
30	gtgccttcgg	aggtgcggga	ctggctggcc	tccacctca	cccagcagc	ccggccaaa	360
32	ggccgcccgg	cagaggagaa	gcccaagttc	cgaaggattt	tgcacgctgt	gcaggctggg	420
34	atcttcgtgg	aacggatgtt	ccggagaaca	tacacctctg	tgggcccccac	ttactctact	480
36	gcggttctca	actgtctcaa	gaacctggat	ctctgggtct	ttgatgtctt	ttccttgaac	540
38	caggcagcag	atgaccatgc	cctgaggacc	attgttttg	agttgctgac	tcggcataac	600
40	ctcatcagcc	gcttcaagat	tcccactgtt	tttttgcata	gtttccttgg	tgcccttggag	660
42	acaggctatg	ggaagtacaa	gaatccttac	cacaaccaga	tccacgcagc	cgtatgttacc	720
44	cagacagtcc	attgcttctt	gctccgcaca	gggatggtgc	actgcctgtc	ggagatttag	780
46	ctcctggcca	tcatcttgc	tgcaagctatc	catgattatg	agcacacggg	cactaccaac	840
48	agcttccaca	tccagaccaa	gtcagaatgt	gccatcggt	acaatgatcg	ttcagtgtcg	900
50	gagaatcacc	acatcagctc	tgtttccgaa	ttgatgcagg	atgatgatgt	gaacattttc	960
52	atcaacctca	ccaaggatga	gtttgttagaa	ctccgagccc	tggtcattga	gatgggtttg	1020
54	gccacagaca	tgtccctcca	tttccagcaa	gtgaagacaca	tgaagacagc	cttgcacacag	1080
56	ctggagagga	ttgacaagcc	caaggccctg	tctctactgc	tccatcggtc	tgacatcagc	1140
58	caccaacca	agcagtggtt	ggtccacagc	cgttggacca	aggccctcat	ggaggaattc	1200
60	ttccgtcagg	gtgacaagga	ggcagagttt	ggcttgcct	tttctccact	ctgtgaccgc	1260
62	acttccactc	tagtggcaca	gtctcagata	gggttcatcg	acttcattgt	ggagccccaca	1320
64	ttctctgtgc	tgactgacgt	ggcagagaag	agtgttcagc	ccctggcgga	tgaggactcc	1380
66	aagtctaaaa	accagccca	cttcagtgg	cgccagccct	ctctggatgt	ggaagtggga	1440
68	gaccccaacc	ctgatgttgt	cagcttcgt	tccacctggg	tcaagcgcat	tcaggagaac	1500
70	aagcagaaaat	ggaaggaaacg	ggcagcaagt	ggcataccca	accagatgtc	cattgacgag	1560
72	ctgtccccct	gtgaagaaga	ggccccccca	tcccctgccc	aaagatgaaca	caaccagaat	1620
74	ggaaatctgg	attagccctg	ggctggccc	aggtcttcat	tgagtccaaa	gtgtttgatg	1680
76	tcatcagcac	catccatcag	gactggctcc	cccatctgt	ccaaggagc	gtggcgtgg	1740
78	aagaaacaac	ccacctgaag	gccaatgcc	agagatttgg	ggttggggaa	agggccccctc	1800

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80	cccacctgac	accactggg	gtgcacttta	atgttccggc	agcaagactg	gggaacttca	1860									
82	ggctccagt	ggtcactgtg	cccatccctc	agcctctgg	ttctcttcat	ggccagggtgg	1920									
84	ctgccaggga	gcggggagct	tcctggaggc	ttcccagggc	cttggggaaag	ggtcagagat	1980									
86	gccagccccc	tgggacctcc	cccatcctt	ttgcctccaa	gttcttaagc	aatacatttt	2040									
88	gggggttccc	tcagcccccc	accccagatc	ttagctggca	ggtctgggtg	ccccctttcc	2100									
90	tcccctggga	agggctggaa	taggatagaa	agctgggggt	tttcagagcc	ctatgtgtgg	2160									
92	ggaggggagt	ggattccttc	agggcatgg	accttctag	gatctggaa	tgggtggag	2220									
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98	<211>	LENGTH:	536													
99	<212>	TYPE:	PRT													
100	<213>	ORGANISM:	Homo sapiens													
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105	1				5				10							15
108	Cys	Pro	Ser	Pro	Leu	Glu	Leu	Lys	Ser	Ala	Pro	Ser	Lys	Lys	Met	Trp
109					20				25							30
112	Ile	Lys	Leu	Arg	Ser	Leu	Leu	Arg	Tyr	Met	Val	Lys	Gln	Leu	Glu	Asn
113					35				40							45
116	Gly	Glu	Ile	Asn	Ile	Glu	Glu	Leu	Lys	Lys	Asn	Leu	Glu	Tyr	Thr	Ala
117					50				55							60
120	Ser	Leu	Leu	Glu	Ala	Val	Tyr	Ile	Asp	Glu	Thr	Arg	Gln	Ile	Leu	Asp
121	65					70				75						80
124	Thr	Glu	Asp	Glu	Leu	Gln	Glu	Leu	Arg	Ser	Asp	Ala	Val	Pro	Ser	Glu
125						85				90						95
128	Val	Arg	Asp	Trp	Leu	Ala	Ser	Thr	Phe	Thr	Gln	Gln	Ala	Arg	Ala	Lys
129						100				105						110
132	Gly	Arg	Arg	Ala	Glu	Glu	Lys	Pro	Lys	Phe	Arg	Ser	Ile	Val	His	Ala
133						115				120						125
136	Val	Gln	Ala	Gly	Ile	Phe	Val	Glu	Arg	Met	Phe	Arg	Arg	Thr	Tyr	Thr
137						130				135						140
140	Ser	Val	Gly	Pro	Thr	Tyr	Ser	Thr	Ala	Val	Leu	Asn	Cys	Leu	Lys	Asn
141	145						150				155					160
144	Leu	Asp	Leu	Trp	Cys	Phe	Asp	Val	Phe	Ser	Leu	Asn	Gln	Ala	Ala	Asp
145						165				170						175
148	Asp	His	Ala	Leu	Arg	Thr	Ile	Val	Phe	Glu	Leu	Leu	Thr	Arg	His	Asn
149						180				185						190
152	Leu	Ile	Ser	Arg	Phe	Lys	Ile	Pro	Thr	Val	Phe	Leu	Met	Ser	Phe	Leu
153						195				200						205
156	Asp	Ala	Leu	Glu	Thr	Gly	Tyr	Gly	Lys	Tyr	Lys	Asn	Pro	Tyr	His	Asn
157						210				215						220
160	Gln	Ile	His	Ala	Ala	Asp	Val	Thr	Gln	Thr	Val	His	Cys	Phe	Leu	Leu
161	225						230				235					240
164	Arg	Thr	Gly	Met	Val	His	Cys	Leu	Ser	Glu	Ile	Glu	Leu	Leu	Ala	Ile
165							245				250					255
168	Ile	Phe	Ala	Ala	Ala	Ile	His	Asp	Tyr	Glu	His	Thr	Gly	Thr	Thr	Asn
169							260				265					270
172	Ser	Phe	His	Ile	Gln	Thr	Lys	Ser	Glu	Cys	Ala	Ile	Val	Tyr	Asn	Asp
173						275				280						285

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176 Arg Ser Val Leu Glu Asn His His Ile Ser Ser Val Phe Arg Leu Met
177    290           295           300
180 Gln Asp Asp Glu Met Asn Ile Phe Ile Asn Leu Thr Lys Asp Glu Phe
181    305           310           315           320
184 Val Glu Leu Arg Ala Leu Val Ile Glu Met Val Leu Ala Thr Asp Met
185           325           330           335
188 Ser Cys His Phe Gln Gln Val Lys Thr Met Lys Thr Ala Leu Gln Gln
189           340           345           350
192 Leu Glu Arg Ile Asp Lys Pro Lys Ala Leu Ser Leu Leu His Ala
193           355           360           365
196 Ala Asp Ile Ser His Pro Thr Lys Gln Trp Leu Val His Ser Arg Trp
197           370           375           380
200 Thr Lys Ala Leu Met Glu Glu Phe Phe Arg Gln Gly Asp Lys Glu Ala
201    385           390           395           400
204 Glu Leu Gly Leu Pro Phe Ser Pro Leu Cys Asp Arg Thr Ser Thr Leu
205           405           410           415
208 Val Ala Gln Ser Gln Ile Gly Phe Ile Asp Phe Ile Val Glu Pro Thr
209           420           425           430
212 Phe Ser Val Leu Thr Asp Val Ala Glu Lys Ser Val Gln Pro Leu Ala
213           435           440           445
216 Asp Glu Asp Ser Lys Ser Lys Asn Gln Pro Ser Phe Gln Trp Arg Gln
217           450           455           460
220 Pro Ser Leu Asp Val Glu Val Gly Asp Pro Asn Pro Asp Val Val Ser
221    465           470           475           480
224 Phe Arg Ser Thr Trp Val Lys Arg Ile Gln Glu Asn Lys Gln Lys Trp
225           485           490           495
228 Lys Glu Arg Ala Ala Ser Gly Ile Thr Asn Gln Met Ser Ile Asp Glu
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232 Leu Ser Pro Cys Glu Glu Ala Pro Pro Ser Pro Ala Glu Asp Glu
233           515           520           525
236 His Asn Gln Asn Gly Asn Leu Asp
237           530           535
240 <210> SEQ ID NO: 3
241 <211> LENGTH: 19
242 <212> TYPE: DNA
243 <213> ORGANISM: artificial sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: forward primer
248 <400> SEQUENCE: 3
249 tgtggaaagtggagacccc
252 <210> SEQ ID NO: 4
253 <211> LENGTH: 19
254 <212> TYPE: DNA
255 <213> ORGANISM: artificial sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: reverse primer
260 <400> SEQUENCE: 4
261 ctgaatgcgc ttgaccag
264 <210> SEQ ID NO: 5

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265 <211> LENGTH: 27
266 <212> TYPE: DNA
267 <213> ORGANISM: artificial sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: probe
272 <400> SEQUENCE: 5
273 accctgatgt ggtcagcttt cgttcca

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/548,404

DATE: 09/21/2005

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Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\09212005\J548404.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date